



OREGON TUALATIN VALLEY

AMATEUR RADIO CLUB

Po Box 5132 Beaverton, Oregon 97006



EDITOR: AL BERG WB7SIC

Membership: 251

CIRCULATION: 275

President: Dave Parker
Vice-Pres: John Haide
Secretary: Linda Cereghino
Treasurer: John Burgess

W7LJN
WA7CZA
N7CZY
N7DCQ

Trustee: Al Berg	WB7SIC
Trustee: Randy Cobb	KA7HJT
Trustee: Warren Knight	N7BIJ
Trustee: John Koenig	NB7W
Trustee: Jerry Norman	ND7T

MEETING: 2nd WEDNESDAY BEAVERTON ELKS AT 7:00 p.m. (Dinner at 6:30 p.m.)

MEETING PROGRAM: COMPLETE PROGRAM DETAILS CAN BE FOUND ON THE BACK PAGE.

RAT-A-TAT-TAT

CONVENTION: The event was a total success!! Over 3000 people took in a beautiful weekend at Seaside and comments from the majority indicate that we did it right. A very big thanks to you who attended as it is YOU who makes the convention what it is. Each and every you!! Those people who worked hard on a committee are to be congratulated for such a fine effort. The hard work prior to the convention paid off and made things run smoothly. If we do it again be assured that there will be a large increase of manufacturers in attendance. Those who showed were very impressed and will carry the story home. We have already been told by several out of state exhibitors that we will be getting some verbal help in obtaining added dog and pony shows. A tremendous effort by many! Hats off to all.

CLUB NET: So far, the net has been a flop!! Not enough officers are making themselves available and not enough members are taking part. It is an informational net and if those officers and committee people that continually (forget), continue to do so, we can kiss a very good idea a fond farewell. Every Tuesday nite at 8:00 pm on 146.96. Try to make it!!!!

FIELD DAY: The weekend turned out to be about as perfect, weather wise, as it could be. For some odd reason our attendance was down quite a bit over the past two or three years. We even had to haul an untapped keg back home. The bands were not quite as good as last year and due to a lower attendance, our contact total was less. Many of our hot ops who usually show up were not there so we were spread a little thin. A round of applause is due the social committee and also to Dee, Terry and a few other select who busted *& to get it together. Super effort for a super weekend. Thanks to all for helping.....

Dear Dave et al:

Just got the June issue of the newsletter and had to sit down at the old word processor and beat out a few lines. First of all, it would appear that the main purpose of the group has evolved into eating. For example; Page one "FOOD, ROAST (food again, I'm sure) and DINNER at 6:30 p.m." all appear. Page two discusses "HOT DOGS, CHIPS, MARSHMALLOWS, PANCAKES, SCRAMBLED EGGS" etc. Page three has more of the same but now gets down to the prices. All of which are TOO CHEAP!! Heck, here in Texas ONE hot dog costs \$3.00. But then, it weighs 7 pounds too so I guess that isn't too bad. (Remember, in Texas EVERYTHING is big.) Speaking of food, If any of you haven't experienced OTVARC spaghetti after about 10 hours of yelling "CQ FIELD DAY" into a mike that is connected to a battery powered dummy load heater, you haven't lived!

Now, some CORRECTIONS that must be made:

- 1) The meeting should be the first Wednesday of the month as I'll be there in August and could help eat some of that food!
- 2) The club has been known to fall down on the volume of certain things that it furnishes for field day. (Ask LJN for details) hic!
- 3) Under COMING EVENTS, you left out Friday July 27th, which is the evening of the great assault on Sunshine Pizza Exchange. (Ask KD7LA for details)
- 4) Under CLUB 2m FREQUENCY: 145.670 must be wrong because I have called my *Q& off and got the same response that I did from the Shuttle!
- 5) And Finally, under who to call for what (shouldn't it be whom?), you forgot to list several very important items; South Texas Information, Intermedics Amateur Radio Club Information, information pertaining to the famous S.O.B.D.P.S. (Some people think DPS is the Texas Department of Public Safety but we know that it is the "South of the Brazos DX and Poker Society) and finally there is no reference as to whom to call for information on the Great Texas Mosquito Festival! I trust this will be corrected in future installments of the newsletter.

Seriously though, I still miss OTVARC. It's the best club I've belonged to and it's because there are so many do'ers and so few followers. Keep it up. This club, and many of the people in it will always be special to me. Don't forget that KD7LA, NB7W (occasionally), W7JXU (less occasionally) and I meet at 14.340 + or - QRM, on Sundays at about 12:30 local. Anyone is welcome. (Except that guy in 6 land that thinks we are all 15Kc wide.) If you need that rare one, Brazoria County for your worked all whatever, jump in there and say HI!

Keep up the good work guys (and gals) and keep that news letter coming. Sue and I really look forward to it.

By the way, for those that are interested, Stephenie starts Kindergarten in August. Time flies when you are having fun.

Best 73's to all,

N4BOS & KA7DGM

N4BIGOVERRATEDSLOB & KA7DARNGOODMAMA

*Steve, Susan
& Stephenie*

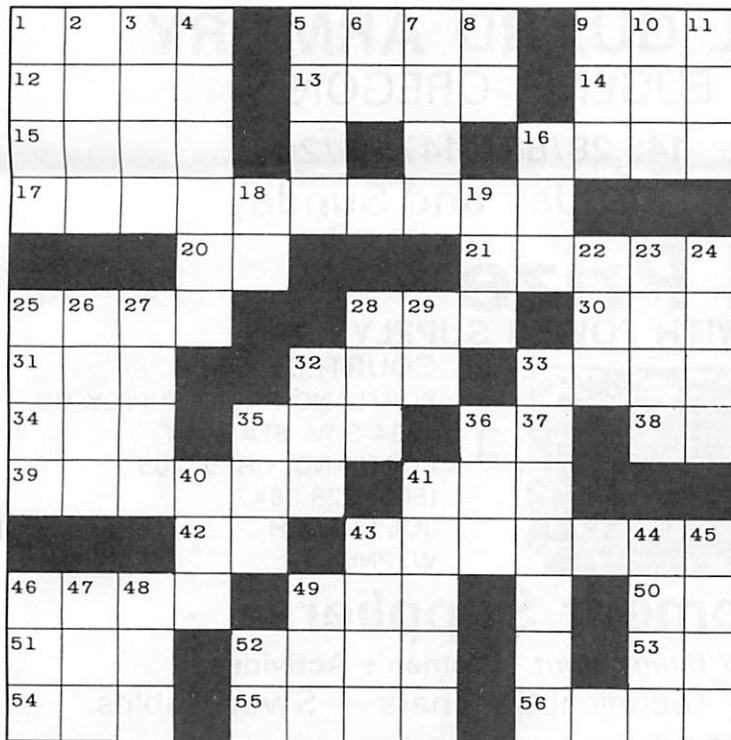


NEWS

Bride: "The two things I cook best are meatloaf and apple dumplings."

Groom: "Which is this?"

Crossword Puzzle



Across

- 1 Short _____ radio
- 5 Part of a battery
- 9 Resistance measure
- 12 Asian nation
- 13 Recording trade group (abbrev.)
- 14 Aviation authority (abbrev.)
- 15 Mysterious character
- 16 Negative
- 17 Manicuring tool
- 20 Large appliance mfr. (abbrev.)
- 21 In addition to
- 25 Simple
- 28 Promise
- 30 Yale Man
- 31 Leonard
- 32 Ultraviolet
- 33 Famous canal
- 34 Amateur radio operator (abbrev.)
- 35 American WWI force
- 36 Return postage (abbrev.)
- 38 Baseball league
- 39 Scanner in auto
- 41 Campground organization
- 42 Long Island (abbrev.)
- 43 Pirate pitcher Kent
- 46 Black hair style
- 49 Five twice
- 50 Alfred's nickname
- 51 General Accounting Office
- 52 _____ wave (200 kHz)
- 53 Sideband, for short
- 54 Sea fish
- 55 Spanish for 1 across
- 56 Natural antenna mount

Down

- 1 Essential antenna component
- 2 Plant type
- 3 Wind indicator
- 4 Power
- 5 Sea creature
- 6 Electronic index
- 7 Soviet automobile
- 8 Olympic site (abbrev.)
- 9 Office of French Information
- 10 Chinese people
- 11 Floor cover
- 16 Large alarm company (abbrev.)
- 18 Hear _____!
- 19 Fight
- 22 She
- 23 Former Cub manager Lee
- 24 Cambodian currency
- 25 Western bad guy Jack
- 26 Of aviation
- 27 Feels superior
- 28 Venezuelan Air Force
- 29 Expression of surprise
- 32 Radio Exterior de Espana
- 33 Shoulder ornament
- 35 Former heavyweight champ
- 36 South Korea (abbrev.)
- 40 International Labour Org.
- 41 Soviet Asian city
- 43 Inclination
- 44 Decorative container
- 45 European river
- 46 Automatic gain control
- 47 Federal Agriculture Org.
- 48 Fishing tool
- 49 Two thousand pounds
- 52 Short for low



ARRL SM REPORT



OREGON: SM, William Shrader, W7QMU — STM: W7VSE. SEC: N7CPA. PIO: K7CYN. SGL: K7KSK. ACC: WB7WTD. RFI: AK7T. OO: N7SC. TC: N7ENI. New Novice calls in Oregon: KA7SOO KA7SOQ KA7SSS KA7SFU KA7SFS KA7SVO. W7CVL and Lady will be celebrating their 50th wedding anniversary. N7FN had his QSL chosen as "QSL of the Week Award" by a school group studying Amateur Radio via WB2JKJ. PARC held a CW sending contest with hand key recently. AL7W and W3XY both sent at top speed of 23 WPM but 3XY had cleanest list of all senders. Congrats to all! W7UYR ended up with a broken hop while trying to keep fit by riding a bicycle. Success, Chuck! The gang from Hoodview are learning to communicate with the JA stations in their own language, so if you hear a couple of Portland stations conversing in Japanese, you'll know why. The Jefferson Amateur Radio Society (JARS) should have their new repeater up on Onion Mtn in southern Oregon in May, complete with solar power backed up by wind generator. Oregon section has a Technical Coordinator: Jim Fox, N7ENI, has been appointed. He will try to help you find solutions to technical problems and coordinate technical article submission for QST. OSN ONI 583, QTC 816. Traffic: W7VSE 598, KX7T 278, K7GV 257, K7OVK 213, W7ZB 193, AL7W 189, K7T 86, K17Y 75, KX7T 68, N7BGW 50, KA7AID 45, W7LNE 23, KV7F 21.

ON THE (sic) LIST

Our Prez spent FD weekend in the hospital with a bad back. That was a real shame as Dave puts up such a good front. He is up and at it again so look for another exciting meeting with LJN at the podium.

Van, N7CNW is up and about after a bout with 'stones' growing in a place they are not supposed to. Good for Van.

Jerry, ND7T suffered a VERY bad accident to his CW thumb at FD during an antenna erection job. Said thumb was pretty well done for but Jerry operated CW anyway. Hope the digit is now ok Jerry. Above and beyond is the saying. Guess building contractors are used to smashed fingers?

Speaking of smashed, SHR is on the list for not showing up at FD until Friday nite about 8:00 with the kegs!!!

KC7U is on the list just for not showing up!

Willie, N7D(zeb)R lost the transmission of his 99'motor home and had to be towed home. The motor home is resting comfortably and is expected to be up and around at least by next years FD.

So much for this months (sic) list. Anybody else that has been down and out and got cured, give a call. I'd like to know how you did it.. WB7(sic)

9TH ANNUAL LANE COUNTY HAM FAIR

JULY 21-22, 1984

OREGON NATIONAL GUARD ARMORY

2515 CENTENNIAL, EUGENE, OREGON

TALK IN 2 METERS 52-52 146.28/88 147.86/26

DOORS OPEN 8:00 AM Saturday and Sunday

Grand Prize

KENWOOD TS-430S WITH POWER SUPPLY

HF TRANSCEIVER

WARC BANDS

- 160-10M
- SSB/CW/AM
- FM Option

- Microprocessor Controlled
- 12 VDC Operation



COURTESY OF:

PORTLAND RADIO SUPPLY CO.

1234 S.W. STARK ST.

PORTLAND, OR. 97205

(503) 228-8647

JOE BORSCH

W7PNS

- Major Ham Equipment Suppliers -

Drawings All Day Saturday - 2 Meter Bunny Hunt - Women's Activities

Kiddie Korner — Computer demos — Technical Seminars — Swap Tables

BINGO!

BINGO!

BINGO!

ALL DAY SNACK BAR — FREE PARKING FOR R.V.s, NO HOOKUPS

SATURDAY POTLUCK SUPPER — 6:00 pm

(You need not be present to win the Grand Prize — our policy requires that you are a licensed amateur or immediate family of a licensed amateur to claim any prize capable of transmitting)

LICENSE EXAMS - ALL AVAILABLE FCC TESTS

Tickets Postmarked BEFORE JULY 1 receive one FREE drawing ticket

MAIL TO: WB7WPU

TOM TEMBY, Treas.

3227 Crocker Rd.

Eugene, OR 97404

(503) 689-1761

PLEASE TYPE OR PRINT CLEARLY.

MAKE CHECKS PAYABLE TO LANE COUNTY HAM FAIR

() No. of Registrations

@ \$5.00 ea. =

(Max. 10 per person)

() No. Swap Tables (2 max.)

@ \$5.00 ea. =

Non-refundable Reservation required - LIMITED SPACE

Enclosed is check or m/o for \$ TOTAL

Name _____ Call _____

Name _____ Call _____

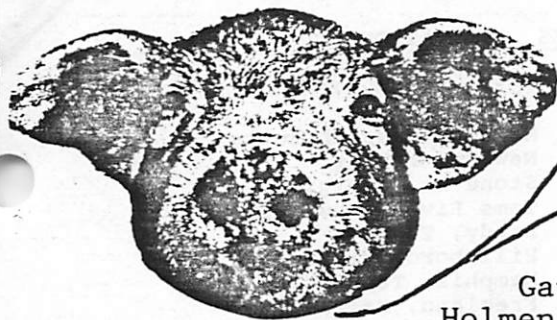
Name _____ Call _____

Address _____ City _____ State _____ Zip _____

Phone _____

IF MORE RESERVATIONS NEEDED, LIST ON REVERSE SIDE.

NOTE: YOUR TICKET PACKETS WILL BE AT PRE-REGISTRATION TABLE OR PLEASE MAIL STUBS () SASE ENCLOSED



HOWDY
COUSIN !

NEW MEMBERS

A big welcome to the new group of members.

John Conley, KD7MM--Jim Ziegler, KA7TAC--Paul Wilkins--

Jenny Tyrrell, KA7SSX--Don Johnson, W6AAQ--

Gary Johnson, N7GFC--Eugene Neill, KA7KHY--Roger

Holmen, AJ7J--Ginger Towers--Steve Morris, WA7KLJ--

Randy Pierce, W7GFK--Steve Brice, NA7T--Mitchell Keppinger--James Lash, N7FIU--Jim and Pat Douglas--and Dick Platt, W7VKB. That, my friends, is a whole bunch of new members. Seventeen to be exact! Super nice to have you all join up. Get right in there and make yourself known.

CALL CHANGES & UPGRADES

Fran, ex KA7KIS went to NI7E. Gary Johnson changed from KA7NAR to N7GFC. Super nice deal. Congratulations to the both of you.

Bet we have five or six members who have gotten either new calls or have made it for their first-time call. (novice) Got to let us know if you have any changes for the roster and newsletter mailing labels. Take a look at your label and make sure we have your call correct or if you have it on there at all. Got a change? See the back page for who to call for what!!! Thanks.

CONVENTION PRIZES

The major prize winners were: Icom 745 by David Hackleman, WA7IOH of Monmouth, Oregon. The Yaesu 757 was won by our own Warren Knight, N7BIJ. The Kenwood TM 201A went to the home of Ernie Berninger, KA7CII. Neil Robin, WA7NBE of Tek took the Early Bird prize of a Yaesu 203 HT and the OTVARC Kenwood TS130S went to Lorna Campbell, KA7RFD who is an OTVARC member. Gus Amato, KC7XB, another OTVARC member, won the Linn-Benton-Lincoln rprr groups IC 25H. The Commodore 64 went to Dave Taylor and I missed his call but he lives in the Gresham area. Can't find my notes as to who won the ladies prize nor the banquet Vic 20. Maybe someone can fill us in for next months letter. Congratulations to all of you lucky people!! Looks like OTVARC had more than its share of luck.

Eight Tigard students win \$500 scholarships

TIGARD — The Tigard Rotary Club has awarded \$500 scholarships to eight Tigard High School students for academic excellence.

The graduating seniors, honored at the club's luncheon meeting last Thursday, are:

- Mark Cotter, 8065 SW Durham Road, who has a GPA of 3.98 and is the vice president of the school's National Honor Society. Cotter was the photo editor of the year book. He is active in church activities and is a licensed HAM radio operator. Cotter plans to attend Portland State University on a presidential scholarship.

Congratulations to Mark, a long time member of OTVARC. The other seven winners are excluded as none are known to us. Nice going Mark!! Mark was a big helper at Field Day this year and was one of the last to leave the site. With a load of towers. Gud luck..

¶ The ARRL's Volunteer Examiner Manual will be going to press near the end of June, and should be in the mail to all ARRL-registered prospective VEs in early July. Contingent upon timely FCC ruling on the VE Program cost recoupment rules in July, the ARRL will sign a VEC agreement with the FCC and begin coordinating tests at conventions and hamfests in September. Beginning in November, we will schedule additional exam sites nationwide. Note to the wise: Plan ahead - a minimum of 90 days advance planning is built into the system.

This Week's Brainteaser:

Jack and Jill have the same birthday. They are both 4 years old and have the same father and mother. They are not twins. They are not adopted. How is this possible?

INPUT	OUTPUT	CALL SIGNS	ACCESS FEATURES	LOCATION
29.51mhz	29.59mhz	W3FDU/R	O	York, Pennsylvania
29.52mhz	29.62mhz	W1BHD	O	Malden, Massachusetts
.52	.62	WDØALH	O	Newton, Kansas
.52	.62	KE4IO	O	Stone Mt, Georgia
.52	.62	WA2TMZ	O	Toms River, New Jersey
.52	.62	WD8CIY	O	Brady, Texas
.52	.62	WØJZY	O	Hillsboro, Missouri
.52	.62	W4ZJM/R	PL 100hz L	Memphis, Tennessee
.52	.62	K3SP	O	Freeland, Maryland
.52	.62	WB7CAG	O T A L Z	Glendale, Arizona
.52	.62	K3CFY	O	North Huntington, Pennsylvania
29.53mhz	29.63mhz	N6AHW	O T A L Z	Monterey, California
29.54mhz	29.64mhz	W7ZFX/R	B 1800hz W E	Sedro Woolley, Washington
.54	.64	K2KLN/Metroplex	O A E L Z	New York City, New York
.54	.64	K5TYV/R	O	San Antonio, Texas
.54	.64	WD8DPA	O	Ann Arbor, Michigan
.54	.64	KE4QC	O L P	Mobile, Alabama
.54	.64	K4GTQ/R	O L P	Birmingham, Alabama
.54	.64	W3DID/R	O	Baltimore, Maryland
.54	.64	KØLKH	PL	Boone, Iowa
.54	.64	WAØYUA	PL	Bridgeton, Missouri
.54	.64	WB5ITT	O	Port Neches/Groves, Texas
.54	.64	K8LK	O	Doylsetown, Pennsylvania
29.55mhz	29.65mhz	K3SLG/R	O L	Pine Grove, Pennsylvania
.55	.65	KB2DQ	O	Buffalo, New York
29.56mhz	29.66mhz	WD4EXH	O	Rustburg, Virginia
.56	.66	N3AUY	O	Silver Springs, Maryland
.56	.66	K2MZ	O	Oyster Bay, New York
.56	.66	WØIA/R	O	Boulder, Colorado
.56	.66	WD9III/R	O	Decatur, Illinois
.56	.66	AEØN/R	O	Bloomington, Minnesota
.56	.66	DULSA/R	O	Mandaluyong, Philippines
.56	.66	KV4FZ/R	O	Christiansted, Virgin Is.
.56	.66	N9PL	O	Palomar Mt., California
.56	.66	WØTQ	O	Concordia, Kansas
.56	.66	WR5ARS	O	Houston, Texas
.56	.66	AE6R	O	Eureka, California
29.57mhz	29.67mhz	DBØQK/R	B 1900hz	Lerchenbert, West Germany
.57	.67	KB9SH	O	Aurora, Illinois
29.58mhz	29.68mhz	KD4DN	O	Sterling, Virginia
.58	.68	WB6IGH	PL 107.2hz	Rancho Palos Verdes, Calif.
.58	.68	WD5DON/R	O	Corpus Christi, Texas
.58	.68	WB9STA/R	O L	Pendleton, Indiana
.58	.68	K2YBW	O L	E Setauket, New York
.58	.68	W4MM	O L	Albany, Georgia
.58	.68	W2SEX/R	O	Tonawanda, New York
.58	.68	WB8XVT	PL 103.5	Akron, Ohio

ACCESS CODES

O-Carrier Operated
B-Burst Tone
(CA)-Private Auto Patch
PL-Private Line

T-Touch Tone
W-Whistle

C-Closed Private Rptr

SPECIAL FEATURES

A-Autopatch
E-Emergency Power
L-Link and or crossband
P-Portable
R-Races Affiliated
Y-RTTY
Z-Direct Access to Law Enforcement

CALL AREA	ZONE 1	ZONE 2
W1	3B-133.8hz	2Z-91.5hz
W2	4Z-136.5hz	2A-94.8hz
W3	4A-141.3hz	2B-97.4hz
W4	4B-146.2hz	1Z-100.0hz
W5	5Z-151.4hz	1A-103.5hz
W6	5A-156.7hz	1B-107.2hz
W7	5B-162.2hz	2Z-110.9hz
W8	6Z-167.9hz	2A-114.8hz
W9	6A-173.8hz	2B-118.8hz
WØ	6B-179.9hz	3Z-123.0hz
VE	3A-127.3hz	YB-88.5hz

(During 1980 the ARRL Board of Directors adopted the 10 meter CTCSS (PL) tone-controlled squelch frequencies listed along side for voluntary incorporation into the 10 meter repeater systems to provide a uniform nationwide system. The purpose of the CTCSS (PL) is to reduce co-channel interference during band openings. CTCSS (PL) equipped repeaters would respond only to signals having the CTCSS tone required for that repeater. These repeaters would not respond to weak distant signals on their inputs and correspondingly not transmit or repeat to add to the congestion.)

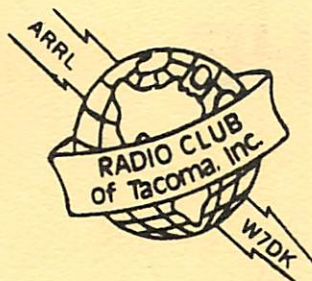
ANY UPDATED INFORMATION WOULD BE APPRECIATED

James C. Kaufman W7UMH
5873 Madrona Drive
Ferndale, WA 98248

Courtesy Jim W7UMH

THE RADIO CLUB OF TACOMA

presents the

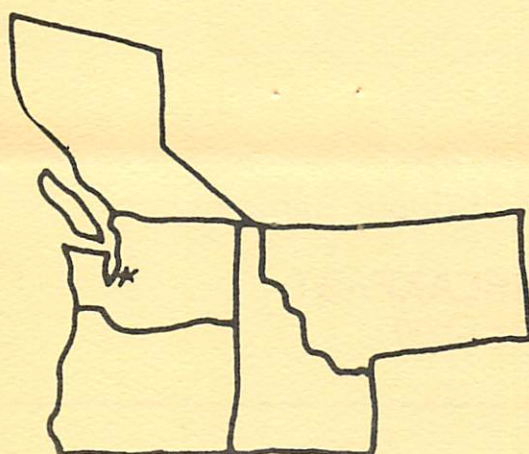


TACOMA HAMFAIR



AUGUST 11 & 12, 1984

Pacific Lutheran University
Olson Auditorium
Tacoma, Washington



"NORTHWEST'S PREMIUM HAMFEST"

LARGEST COMMERCIAL DISPLAY OF HAM GEAR IN THE NORTHWEST

TECHNICAL SEMINARS

- Sunspots, Propagation
- Antenna Seminars by **Lew McCoy**, W1ICP
- Digital Communications
- Computers
- Satellite Search and Rescue
- and many more!

GENERAL INTEREST

- Travelogues
- Slide Presentations
- FCC Exam (Novice, thru Extra)
- After Dinner Program, "Settling in Outer Space"

FORUMS

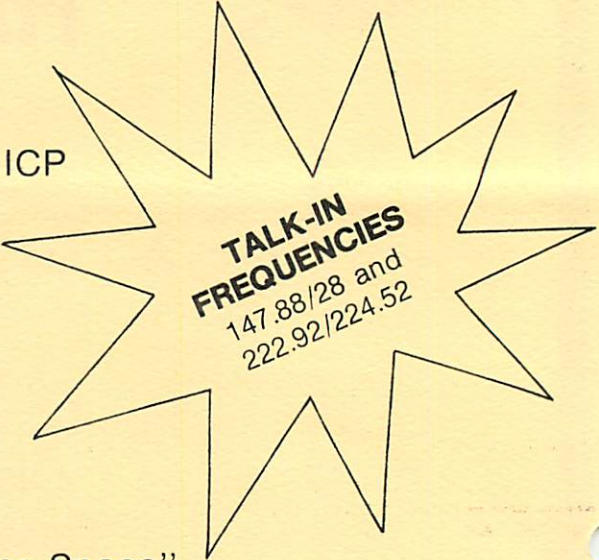
- DX
- Repeaters
- Traffic
- ARRL
- Etc. . .

FLEA MARKET

- 10,000 Square Feet of Super Bargains!

FAMOUS LOGGER'S BREAKFAST

- Sunday from 7:00 to 10:00



**TALK-IN
FREQUENCIES**
147.88/28 and
222.92/224.52



**SNACK
BAR**
Sandwiches
Beverages

SCHEDULE OF EVENTS

FRIDAY

Flea Market Set-up 1-5 p.m.
Registration 1-5 p.m.

SATURDAY

Registration 7 a.m. - 5 p.m.
Flea Market Set-up 7 a.m.
Hamfair Open ... 9 a.m. - 5:30 p.m.
Dinner/Program 6:30 p.m.

SUNDAY

Registration 8 a.m. - 12
Hamfair Open 9 a.m. - 12:30
**The Great Prize
Give-Away** 1 p.m.

CLIP & MAIL

CLIP & MAIL

REGISTRATION

All Licensed Amateurs Are Expected To Register

PLEASE MAKE CHECKS PAYABLE TO: RADIO CLUB OF TACOMA

CLIP & MAIL TO: GRACE TEITZEL AD7S, P.O. Box 45079, Tacoma, WA 98445

PHONE INQUIRIES: EVA ANDERSON WB7QNS, (206) 564-8347

ENCLOSED IS MY CHECK FOR \$ _____ (U.S. Currency) for. . .

_____ Registrations at \$5.00

_____ Adults Dinners at \$7.50

_____ Children's Dinners at \$4.00

_____ Dormitory Room Single Occupancy at \$14.00 per night (available Friday & -Saturday only)

_____ Dormitory Room Double Occupancy at \$21.00 per night.

_____ Nights R.V. Space at \$2.00 per night (available Fri., Sat. & Sun.) — No Hook-ups

_____ 6 Foot Table(s) for _____ day(s) at \$ _____ (see below)

**DINNER RESERVATION
DEADLINE IS
AUGUST 4, 1984**

HURRY! Send your check early. If postmarked on or before August 4th, you will receive 2 chances on the prize drawing for each registration ordered.

Flea Market Reservation Deadline is August 4, 1984 — must be accompanied by check!

Names (please print)

Calls

Address _____ City _____ State _____ Zip _____

PRICES FOR FLEA MARKET TABLES: NOTE: Your ticket packets will be ready at the registration booths.

ONE DAY (specify which day)

1 Table \$15.00

Additional Tables (each) \$10.00

TWO DAYS

1 Table \$20.00


Additional Tables (each) \$15.00

TABLE PRICE INCLUDES ONE HAMFAIR REGISTRATION.

MAJOR PRIZES

 **ICOM IC-745**

KENWOOD TS 430S

 **ICOM IC-27-37-47**
Your Choice

KENWOOD TW 4000A

LADIES PRIZES
"All Ladies Eligible
For Exciting
Prizes."

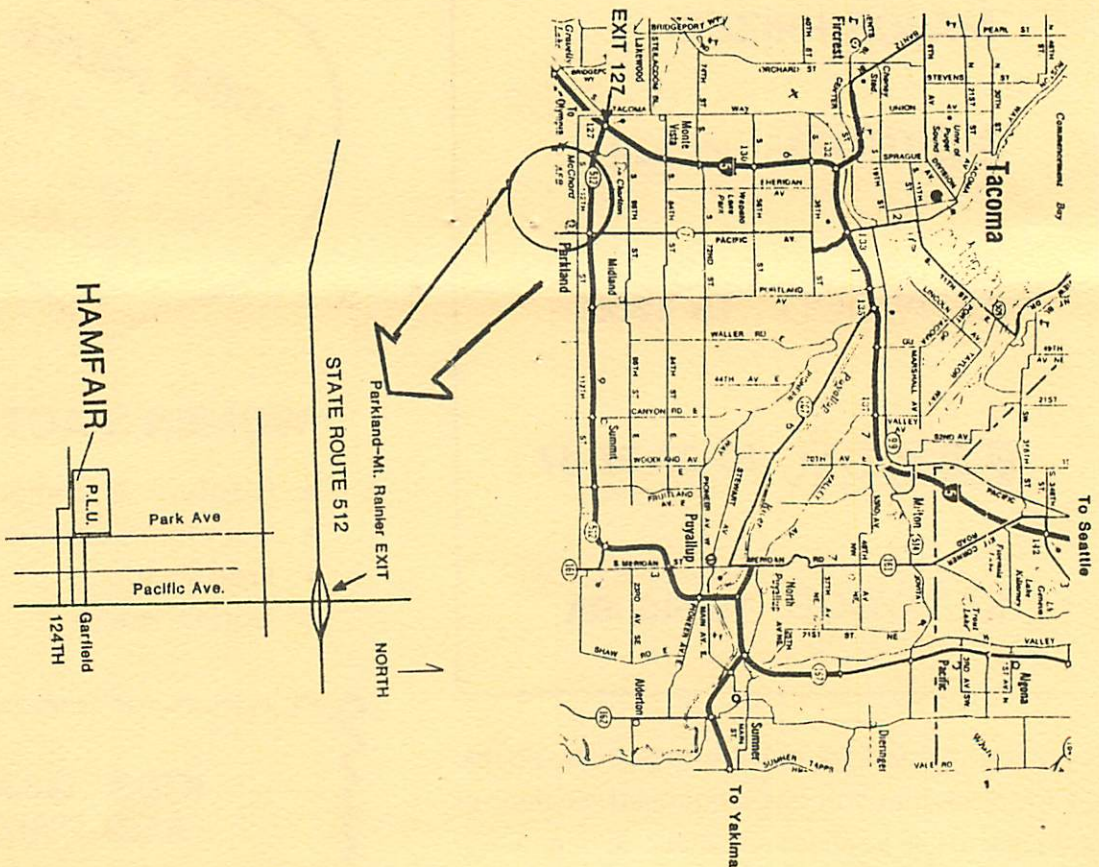
WOMEN'S ACTIVITIES

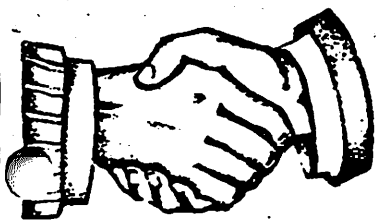
- Displays & Demonstrations
- Computer Seminar for YL's
- Free Bingo
- Coffee Hours

**KIDS' GAMES
AND PRIZES**

You need not be present to win the first three prizes. Club policy requires that you are a licensed amateur or immediate family of a licensed amateur to claim any prize capable of transmitting.

RADIO CLUB OF TACOMA
P.O. BOX 45079
TACOMA, WA 98445





**NOTE: The post office
says to expect a
15% postage increase
effective October 1st.**

● Another new Cable TV technology that we told you about some time ago, was demonstrated last month in Port Washington, NY. ACTV let's you be the TV director, so to speak! The interactive cable service allows you to select from four different TV camera shots, angles or entirely different subjects. You merely press one of 4 buttons on a remote control device. The \$10.00 monthly fee will be split between Catalyst Technologies (ACTV's developer) and the local cable service. A limited test is planned for this September with roll-out planned for January 1985.

ACTV is now raising \$3.5 million through a private stock offering. The tailor-made TV concept will be ideal for sports programming allowing the viewer to select the action (or replay) he wants to see. ACTV also says it will allow simultaneous "R" and "X" rated versions of the same movie... even 4 different pay movies on one channel.

One feature that advertisers are looking carefully at is ACTV's ability to direct TV ads to a specific demographic target which (unknown to the viewer) is automatically programmed. The "smart box" remembers what you watch... makes assumptions about you... and transmits accordingly.

Technically, the system requires much bandwidth - 24 MHz or four full video channels fed from two satellite transponders. Therefore it is not suitable for regular broadcast TV. The signals are multiplexed together with certain digital codes embedded in the signal. Later they are decoded by a microprocessor in the "smart box" and individually selected by the viewer, the "smart box" or the programmer.

● HAM OPERATOR EXAM QUESTIONS ●

A booklet containing the FCC Amateur Radio Operator Study Guide and all 1600 actual test questions for all ham classes (Novice through Extra) now available from: THE W5YI REPORT, PO Box #10101, Dallas, TX 75207 for \$2.00 plus 50 cents postage.

UNAUTHORIZED CORDLESS PHONE CALLS

Cordless phone users are being charged for phone calls they don't make! In many cases it is intentional theft of service... stealing! Even obscene phone calls are being initiated through cordless phones owned by innocent bystanders!

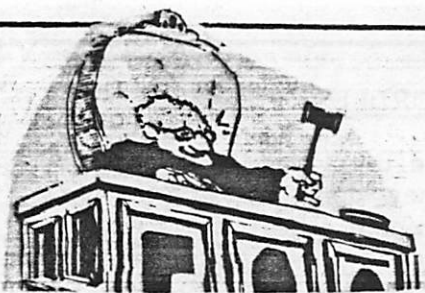
There have been reports of strangers roaming through neighborhoods with handsets listening for dial tones. It isn't hard to do. All that is required is to have a cordless phone operating on one of the five approved channels. Nearly 17 million of these units have been sold during the last two years alone. You don't even need the entire telephone.... only the handset.

When most handsets come within range (usually 50 to 700 feet) of a cordless phone base unit, a dial tone is heard and that phone can be dialled provided it operates on the same frequency pair. The problem has reached crisis proportions. Phone companies are disturbed that they have to get involved in the misbilling. And be aware that you still have to pay the bill! Some cordless phone manufacturers include some form of security features... but most don't... particularly at the lower price level. Retailers that sell the units aren't even aware of the problem.

About a year ago, the FCC issued a Notice of Proposed Rulemaking requiring that cordless telephones be designed with minimal security features. The Commission decided against implementing the NPRM since it felt that the public might be misled into believing that their telephone was indeed secure.

In lieu of a design requirement, the FCC now has issued a NPRM requiring that cordless telephones be labelled whereby consumers would be informed of the security features that prevent others from using the telephone. The Commission proposed that a label be carried on the outside of the box in which the telephone is sold so that it can readily be seen by the consumer at the time of purchase.

The suggested label consists of two parts: a specific statement warning the public that calls can be unintentionally (or otherwise) dialled through their phone and the manufacturer's statement of the features designed to prevent such occurrences. Cutoff date for comments on the NPRM is June 29, 1984. A word to the wise. When you aren't at home -or on vacation- pull the plug of your cordless telephone.



STOLEN RADIO REPORT

ICOM 245 with SB. Serial #3812
ODL on case. Judy at 771-4667

Yaesu FT208R Serial #2K210462
Bob at 656-4554

ICOM BP-3 & DC-1 + \$1000.00 cash.
Don Tooley at 370-8335

Kenwood TR7950 & MC46 mic.
Serial #4050280 Call Portland
Radio at 228-8647

ICOM 2AT Serial #44650.
Ron Gould, KD7RJ

Yaesu FT290R all mode 2m.
Serial #1H031820 + a Mirage
B-108 amp with remote control
head. Win Tatro at 246-9865

I hope to keep this an ongoing section of the 'letter' and wish that some of the other clubs we swap with will not only copy it but help in adding to it. We swap with most of the clubs in Oregon as well as the Tacoma group. The positive results of this attempt depend upon how alert people are to serial #s..

NEW WIRELESS TELECOMMUNICATIONS....

A new communications technology that allows voice, data and video to be transmitted without wires or switches is being tested by a New York start-up firm called BroadCom, Inc. Its president, Elliot Gruenberg, invented the concept that allows telecommunications hardware to electronically communicate with a small interactive retro-directive antenna device installed in office ceilings while he was working at IBM. They gave him royalty-free access to his patent.

Called "Synapz", it can be used for wireless telephone and data terminals and even has an application in the emerging cellular radio field where developers claim it could increase capacity 100-fold! "Synapz" technology will also handle up to 50 interactive television channels at a cost of only 5% of a wired cable network.

A BIG THANKS

Bob Orr, KB7CC has been a long time spark plug in our testing program. He is retiring his position and turning it over to Randy Cobb, KA7HJT. Bob has a long tenure behind him and is deserving of some very big thank you's *from not only the club but many members who are now hams because of Bob.* Either directly or indirectly. By the way, Bob is a past President of the club and has been a strong supporter in many areas of our activities. Gold watches are not really our bag but if it were, Bob would be wearing one. Word is that he and KA7MIE, his faithful XYL, will soon be retiring from the labor force as well and will be doing some traveling. May the force be with the Orrs in the destruction of the infernal alarm clock; 6:00 am is for the birds!! Literally.

A new session of classes will start up in the fall. For information either contact Randy or give the PCC Rock Creek campus a call. What Bob started, Randy will continue. New hams are the life of our hobby. Thanks Bob and Jo.....

●Electronic Specialists, Inc. (171 S. Main St., Box 389, Natick, MA 01760) has an excellent 40 page catalog/booklet on solving RF interference and voltage problems to and from microcomputers and just about any other electronic equipment. They offer solutions (and products) for high-voltage spikes/surges, power line hash, noise interference, power line pollution, TV/FM/CB/audio interference, interference from diathermy, auto ignition, electronic games... in fact, just about anything. They sell all sorts of isolators, filters, suppressors and equipment protectors. Write for Catalog #841.

KEY: A special type of switching mechanism for turning a transmitter on and off to form Morse Code signals. Can be operated by slapping, tapping, tickling, knocking, chopping or pounding, depending upon the tension setting of the springs. (or the operator) Sloppy sending is characteristic of hams using the "closed fist" technique. High speed operators are common during winter when an oversight in paying the heating bill allows shivers to be harnessed for "dits."

KILOWATT: A power level used by W7NI to control interference.

LID: This universally appreciated ham operator provides a fascinating demonstration of operating expertise. Lids can easily be found on a DX stations frequency, one kc from a net discussing allergy problems or fixing intermittent connections with "higher voltage."



FOR SALE:

TI 99/4A Computer with Kantronics Hamsoft, TI Mini-Memory (4K memory expansion) and converted 9" TV Monitor. \$299 for the package or will sell software and Mini-Memory separately.

K7NWM, Chuck 639-8844 days or 639-9163 evenings

VISIT YOUR LOCAL RADIO STORE

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Brian Hawkins
Manager

Heathkit Electronic Center
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FOR SALE

Pace Communicator II 25w 2m rig. Synthesized and with TT mic, mobile bracket, manuals and only \$150.00.

Tempo S1T 2m HT. Rubber duck, spkr mic, collapsing antenna and manual. \$150.00. Roger, K7RXV at 642-1419.

FOR RENT

1984 30' Pathfinder motor-home. Sleeps 5 adults in comfort. Equipped with a 5KW generator, microwave, TV antenna and other comforts. Call Ben Beberness at 654-3457 for reservations...



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Doctor of Optometry

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Tigard, Oregon 97223
(503) 639-8844

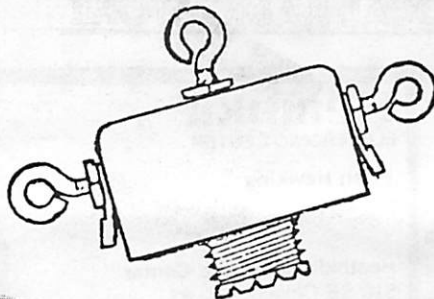
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SERVING THE ELECTRONICS INDUSTRY SINCE 1932
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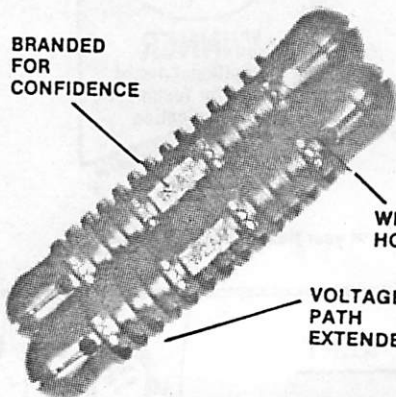
HI-Q CENTER INSULATOR

HI-Q BALUN

Reg: \$6.95
SALE \$5.95



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FOR
CONFIDENCE



WIRE
HOLE

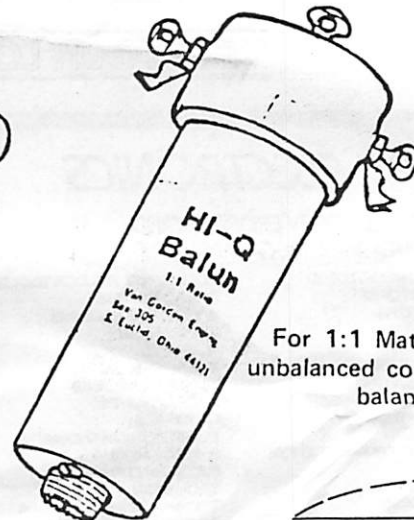
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Reg.: \$2.25 ea.
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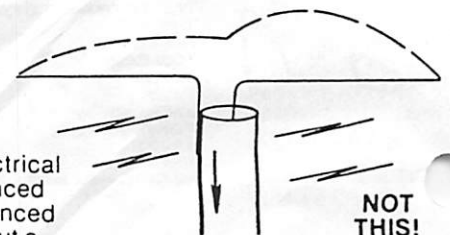


Reg.: \$14.95
SALE \$9.95

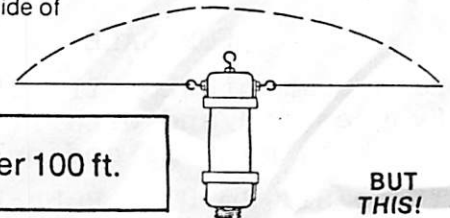
For 1:1 Matches of 50 or 75 OHM
unbalanced coax line to 50 or 75 OHM
balanced load (antenna)

WHAT DOES A BALUN DO?

A balun provides a smooth electrical transition between the **unbalanced** mode (in your coax) to the **balanced** mode (on your antenna). Without a balun, this change is abrupt and TVI currents are set up on the outside of your coax.



NOT
THIS!



BUT
THIS!

Consolidated 3551 ANTENNA WIRE \$7.20 per 100 ft.

MIL. SPEC COAX Reg.: 42¢ per foot
SALE \$29.95 per 100 feet!



PART NO.	RG NUMBER	CENTER CONDUCTOR	CORE INSULATION AND NOMINAL O.D.
JPA-08R	8A/U MIL-C-17D	13 AWG 7 Strand, Bare Copper	Polyethylene (.285)

SHIELD	JACKET MATERIAL AND NOMINAL O.D.	NOMINAL ATTENUATION		NOMINAL IMPEDANCE (OHMS)	NOMINAL VELOCITY OF PROPAGATION	NOMINAL CAPACITANCE (PF/FT.)	STANDARD PACKAGING
		MHz	db/100 Ft.				
95% Bare Copper Braid	Black Non-Contaminating Vinyl (.405)	50	1.5	52	66%	29.5	1000 Ft. Spool
		100	2.2				500 Ft. "
		200	3.2				100 Ft. Coil
		400	4.7				75 Ft. "
		900	7.9				50 Ft. "

**SHOP WHERE EVERY DOLLAR
YOU SPEND HELPS SUPPORT YOUR CLUB!**

A FEW WORDS FROM LJN



It sure hurt to miss field day this year. Laying there on my back looking out at the sun really hurt. All appears to be ok now and I am up and moving around slowly.

The program this month should be a real good one. It was suggested by CZA that VIEW MASTER may be able to put on a good program for us. I suddenly remembered that I knew Rich Dubnow one of the two stereo photographers at VIEW MASTER. He had taken some pictures of boiler packages we had shipped out over the years. A quick call to his home confirmed he should be home the 11 of July. His wife quickly committed him to give the program. I talked to Rich Sunday 7/1 and he confirmed he would be willing to do the job for us.

Rich has worked full time for VIEW MASTER for 6 years and prior to that he freelanced for them while he worked in LA. On top of being a very nice guy, Rich is an excellent photographer. He made several sow's ears I helped put together look like silk purses. I think all of us has thought it would be nice to own a NICON camera, but the thought of a HASSALBLAD (hope spelling is even close) would be out of the question. Rich has twin mounted stereo cameras of each brand. He followed the Pope and photographed his tour of the US for VIEW MASTER. He has also taken photos on the sets of Happy Days, Planet Of The Apes, A-Team, as well as Superman. He missed the Micheal Jackson Thriller set as he was in Canada on another assignment. He will be bringing many slides with him and his cameras to show how it is done. Bring the family for a really fun program. Listen to the net on 32 for any additional details. before the meeting. I will contact the Elks club and get some more seating opened for dinner. Hope to see all of you there on the 11th. Pardon the spelling I couldn't use the computer and had to type this myself.

73 Dave w7LJN



ROGER, K7RXV IS LOOKING FOR COMMUNICATIONS HELP AT THE BIG BLACK POWDER OUTING IN VERNONIA. This event will use teams of communicators throughout the day and will work in shifts so as to not have to wear out a few people. He is looking for people to start the day at 8:00 am and for volunteers to serve up to about 5:00 pm. If you are interested in having a blast (literally) give Roger a call. This will be mostly a trail walk in the woods so be prepared for some real excitement. Wear your buckskins and help out. Call 642-1419.

Nehalem River Rendezvous

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July 28~29

Hosted by
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Saturday

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- Checkers™ version 2.1 game diskette by David Slate and Odesta Corporation
- Joystick
- Window™ magazine on a disk by Window Inc.
- Franklin BASIC manual

Until now, finding a home computer system that could satisfy everyone in your family was a difficult and confusing task. Today, Franklin Computer has made it easy with the Family Pack—a home computer system that can help educate your children, organize your home finances, and provide an entertainment center for the entire family.

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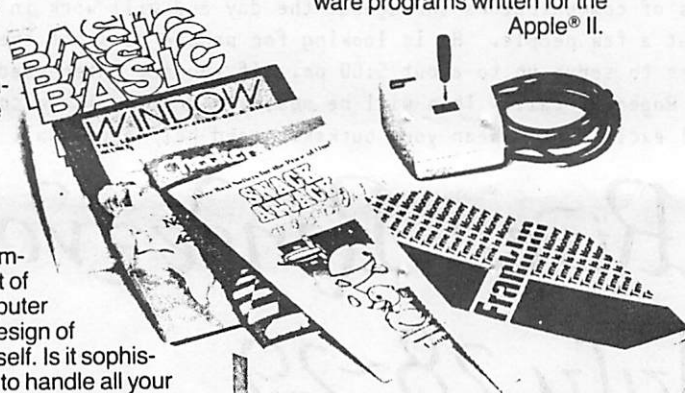
Franklin's ACE 1000 Plus computer offers 64K of memory and a built-in disk drive. There's a full-size typewriter-style keyboard with upper and lowercase. A 12-key numeric pad and special func-

FAMILY PACK™



tion keys greatly simplify financial calculations.

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family is most likely to use—over and over again. Time Is Money home finance software lets you balance your checking and savings accounts, calculate and monitor household budgets, record tax deductible expenses, and even create a net worth statement.

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Finally, flip through an issue of Window, a magazine on a disk that provides the family with a new look at the world with feature articles, an educational game, a home database program, and more. And, a subscription form is enclosed so your family can continue the fun and learning all year long.

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MEETING PROGRAM

Details of our program can be found on the 'Prez Sez' page of this letter. It sounds like a real doozie!! BUT-you know how some people like to build things up and distort the truth. In this case, the truth has not been distorted enough! This program will be so interesting that we should charge to see it. Just the kind that we have been needing to get some FAMILY participation. If you miss this it will be a shame. Seldom do we get to see and hear a real professional do his or her thing. Hope to see you there..

IN-HOME MOVIE DELIVERY CLOSED DOWN

ABC will close down their "TeleFirst" venture - a late night direct to VCR movie recording service - on June 30th. It cost them \$15 million in the last six months to find out that consumers preferred to rent videocassette movies rather than automatically download them while they slept. ABC's Chicago test indicated that Telefirst's main reasons for existence - low price and convenience - disappeared when VCR rental operations appeared everywhere and prices dropped drastically.... some to as low as 99 cents!

POST OFFICE KILLS ELECTRONIC MAIL

In an apparent admission that they should stick to manual delivery of the mail, the Postal Service is terminating E-COM. Faced with a rate hike (to 49 cents versus 26 cents now) the USPS decided E-COM wouldn't be competitive and scrapped the project. MCI is interested in acquiring their equipment.

WHO TO CALL FOR WHAT

*PUBLIC SERVICE			
*CLUB CONTESTS	Jeff Freedman	K7JF	641-6636
*TECHNICAL	Dee Lynch	KA7NPN	646-4580
*PROJECT NIGHT	Terry Biggs	WB7CHK	648-3687
*PUBLIC RELATIONS	Randy Stimson	KZ7T	297-1175
*CLUB RAFFLE	Gino Buell	KA7KBH	646-7991
*MEETING PROGRAMS	John Haide	WA7CZA	246-8086
*CLUB SOCIALS	Paul Lucas	WB6SHR	641-8703
*EMERGENCY SERVICE	Randy Stimson	KZ7T	297-1175
*TRAINING (classes)	Randy Cobb	KA7HJT	649-5066
CLUB JACKETS	Warren Winner	W7JDI	644-0752
ARRG INFO	Warren Winner	W7JDI	644-0752
CLUB BADGES	Linda Cereghino	N7CZY	643-5862
ROSTER CHANGES	Linda Cereghino	N7CZY	643-5862
CLUB QSL CARDS	Dick Powers	WB7ADM	655-6498
CLUB T-SHIRTS	Dick Powers	WB7ADM	655-6498
ARRL MEMBERSHIP	John Burgess	N7DCQ	649-9095
CLUB SCRAPBOOK	Doc Miller	KA7BSD	292-8090

NEWSLETTER	Al Berg	WB7SIC	640-5456
*CONVENTION	Al Berg	WB7SIC	640-5456

(indicates committee)

CLUB ARRL APPOINTEES

ARES District Emergency Co-Ordinator	KZ7T
ARRL Assistant Director and Club Liaison	WB7SIC

CONVENTION WINNER

Just remembered that Edith Litvin, KA7MIF, an OTVARC member, won the special convention ladies prize of a weekend for two at the Red Lion or Thunderbird of choice. WOW!! (wonder who she is taking)?? Super weekend for quite a few of the members. Congrats to Edith..

FOR SALE

45' Wilson tubular crankup tower and 6 element System 36 triband beam. \$400.00 or trade.

Also, Model 33 teletype in excellent shape. Sale or trade.

Dennis, AI7G at 640-9768

CU
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